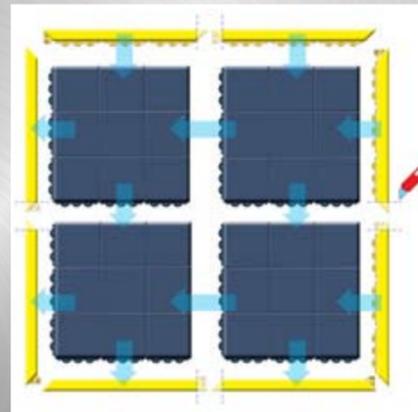


# 661S Niru® Cushion-Ease Solid™ ESD DIF FR



- This Notrax® Electro Static Discharge (ESD) protective mat is formulated to drain static electricity from workers thereby avoiding unpleasant static shock while safeguarding equipment.
- Static dissipative 100% nitrile rubber compound.
- Square interlocking mats allow on-site customization.
- Anti-fatigue properties owed to its unique design and resilient rubber compounds.
- Optional 10 mm female socket attached to the mat for connection with optional grounding cord.
- Slip resistant pebble surface, tested R9 according to DIN51130 and BG-rule BGR181.
- Fire classification Bfl-S1 tested according to DIN EN 13501 and Class 1 according to ASTM E648-03 (NFPA253).
- Meets IEC61340-4-1, measured resistance Rg 10<sup>6</sup> - 10<sup>9</sup> Ω, Rp 10<sup>6</sup> - 10<sup>9</sup> Ω.

# 661S Niru® Cushion Ease Solid™ ESD DIF FR

PRODUCT SPECIFICATIONS		
Designation	ESD Protective Products	
Type	Anti-fatigue / static dissipative	
Description	Modular system, with pebble anti-slip surface	
Material	100% nitrile rubber compound	
Process	Compression moulding	
Category	Best	
Recommended use	Heavy duty – dry industrial environments	
Colours	Black	
Weight	14.5 kg/m <sup>2</sup>	
Thickness	19 mm	
Standard sizes	91 cm x 91 cm	
Custom sizes	N/A	
Special remarks	Accessories: MD Ramp System™ male and female attachable bevels 91cm, black or yellow.	
PRODUCT TESTING		
Tests	Norms	Results
Foam battery	ASTM D3574	
Abrasion resistance	ASTM D3884-01	
	500 Cycles	
	5000 Cycles	2.2% weight loss
Static coefficient of friction	ASTM C1028-96	0.81
Elongation	ASTM D412	
Breaking load	ASTM D412	
Graves tear strength	ASTM D 1004	
Hardness	ASTM D2240-02	
Anti-slip	DIN 51130 and BG-RULE BGR181	R9
MATERIAL ANALYSIS		
Compression Set @ 25%	ASTM D395	3.2%
Compression Deflection @ 25%	ASTM D575	35.1 lb/in <sup>2</sup>
Compression Deflection @ 50%	ASTM D575	98,8 lb/in <sup>2</sup>
Standard method for rubber deterioration	ASTM D1171	No cracking
FIRE TESTING		
	Critical radiant flux	ASTM E-648
		DIN4102
	Fire retardancy	EN 13501-1
		Bfl - S1
	Flammability test	ASTM D2859
		Pass
ESD	ANSI ESD S7.1 50% Humidity	RG 1,7 x 10 <sup>7</sup> Ω
Sustainability	<ul style="list-style-type: none"> <li>• Recyclable material</li> <li>• Reach Compliant (Registration, Evaluation, Authorization and Restriction of Chemicals)</li> </ul>	